LISTING OF CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application:

- (Currently Amended) A cardiac assist device comprising means for delivery of electrical current from said cardiac assist device to a heart wherein said means for delivery of electrical current is in electrical communication with said cardiac assist device and said heart,
- means for transmitting electrical current from said heart to said cardiac assist

 device wherein said means for transmitting electrical current is in electrical

 communication with said cardiac assist device and said heart,
- a control circuit adapted to be responsive to an activation source selected from the group consisting of an optical activation source, a direct current activation source, and combinations thereof and
- first circuit is selected from the group consisting of said means for delivery of electrical current, said means for transmitting electrical current, and combinations thereof, wherein said means for ceasing the flow of electrical current is controlled by said control circuit a control circuit which is adapted to be responsive to an activation source selected from the group consisting of an optical activation source, a direct current activation source, and combinations thereof, wherein said means for ceasing the flow of electrical current is disposed between said cardiac assist device

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and said means for delivery of electrical current and said means for transmitting electrical current, and

- means for receiving pulsed radio frequency fields from an electromagnetic source external to said cardiac assist device, wherein said means for receiving is selected from the group consisting of said means for delivery of electrical current, said means for transmitting electrical current, said means for ceasing the flow of electrical current, and combinations thereof, wherein said control circuit comprises an optical switch.
 - 2. (Canceled) The cardiac assist device as recited in claim 1, wherein said

 means for activating said parallel resonant circuit comprise optical means.
 - 3. (Canceled) The cardiac assist device as recited in claim 1, wherein said control circuit comprises an optical switch.
 - 4. (Currently Amended) The cardiac assist device as recited in claim [3-1], wherein said optical switch comprises a pin type photodiode.
- 5. (Original) The cardiac assist device as recited in claim 4, further comprising an optical fiber connected to said optical switch.
 - (CurrentlyAmended) The cardiac assist device as recited in claim [3-1],
 further comprising said activation source wherein said optical switch is
 activated by light from said activation source.
- 7. (Once Amended) The cardiac assist device as recited in claim 6, wherein said control circuit is adapted to be disposed within a biological organism.
 - 8. (Once Amended) The cardiac assist device as recited in claim 7, wherein said activation source is disposed outside of said biological organism.

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- (Once Amended) The cardiac assist device as recited in claim 7, wherein said activation source is adapted to be disposed within said biological organism.
- 10. (Once Amended) The cardiac assist device as recited in claim 8, wherein said activation source provides light with a wavelength of from about 750 to about 850 nanometers.
- 11. (Original) The cardiac assist device as recited in claim 1, wherein said cardiac assist device is a pacemaker.
- 12. (Once Amended) The cardiac assist device as recited in claim 1, further
 comprising a magnetic resonance scanner, wherein said electromagnetic source is said magnetic resonance scanner.
 - 13. (Canceled) The cardiac assist-device as recited in claim 1, further

 comprising means for varying the quality factor of said means for ceasing

 the flow of electrical current.
- 15 14. (Currently Amended) The cardiac assist device as recited in claim [43 1], wherein said means for varying the quality factor of said means for ceasing the flow of electrical current is a variable resistor.
 - 15. (Original) The cardiac assist device as recited in claim 1, wherein said means for receiving pulsed radio frequency fields is adapted to receive pulsed radio frequency fields in the range from about 30 MHz to about 1000 MHz.
 - 16. (Original) A cardiac assist device comprising a pacing lead and a sensing lead wherein said pacing lead and sensing lead are in electrical

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communication with said cardiac assist device and a heart, further comprising control circuit which is adapted to be responsive to an activation source selected from the group consisting of an optical activation source, a direct current activation source, and combinations thereof, further comprising a resonant circuit wherein said resonant circuit controls the flow of electrical current through a first circuit wherein said first circuit is selected from the group consisting of said pacing lead, said sensing lead, and combinations thereof, wherein said resonant circuit is controlled by said control circuit, a control circuit which is adapted to be responsive to an activation source selected from the group consisting of an optical activation source, a direct current activation source, and combinations thereof, wherein said resonant circuit is disposed between said cardiac assist device and said pacing lead and said sensing lead, and an antenna adapted to receive pulsed radio frequency fields from an electromagnetic source external to said cardiac assist device, wherein said antenna is selected from the group consisting of said pacing lead, said sensing lead, said resonant circuit, and combinations thereof.

- 17. (Original) The cardiac assist device as recited in claim 16, wherein said control circuit comprises an optical switch.
- 20 18. (Original) The cardiac assist device as recited in claim 17, wherein said optical switch comprises a pin type photodiode.
 - 19. (Original) The cardiac assist device as recited in claim 18, further comprising an optical fiber connected to said optical switch.

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- 20. (Original) The cardiac assist device as recited in claim 17, further comprising said activation source wherein said optical switch is activated by light from said activation source.
- 21. (Original) The cardiac assist device as recited in claim 20, wherein said control circuit is adapted to be disposed within a biological organism.
- 22. (Original The cardiac assist device as recited in claim 21, wherein said activation source is disposed outside of said biological organism.
- 23. (Original) The cardiac assist device as recited in claim 21, wherein said activation source is adapted to be disposed within said biological organism.
- 24. (Original) The cardiac assist device as recited in claim 22, wherein said activation source provides light with a wavelength of from about 750 to about 850 nanometers.
- 25. (Original) The cardiac assist device as recited in claim 16, wherein said cardiac assist device is a pacemaker.
- 26. (Original) The cardiac assist device as recited in claim 16, further comprising a magnetic resonance imager, wherein said electromagnetic source is said magnetic resonance imager.
- 27. (Original) The cardiac assist device as recited in claim 16, further comprising
 means for varying the quality factor of said resonant circuit.
 - 28. (Original The cardiac assist device as recited in claim 27, wherein said means for varying the quality factor of said resonant circuit is a variable resistor.

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29. (Original) The cardiac assist device as recited in claim 16, wherein said antenna is adapted to receive pulsed radio frequency fields in the range from about 30 MHz to about 1000 MHz.